INTERNATIONAL SEARCH REPORT

International Application No EP2004/005079

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B. FIELDS	SSEARCHED			
Minimum d	documentation searched (classification system followed by class	sification symbols)		•
IPC /	E21B G01M G01V	on cymbols,		
Documenta	ation searched other than minimum documentation to the extent	that such documents are inclu	uded in the fields s	Parrhed
EPO_T	data base consulted during the international search (name of dance)	ata base and, where practical,	search terms used	n)
 EFO-111	iternai			
	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with Indication, where appropriate, of ti	ne relevant passages		Relevant to claim No.
Α	US 4 114 721 A (GLENN JR EDWIN 19 September 1978 (1978-09-19)	E)		1
	column 2, line 55 - column 4, figure 1	line 32;		
A	US 4 928 269 A (KIMBALL CHRIST AL) 22 May 1990 (1990-05-22) figure 8	OPHER V ET		1
A	US 4 319 346 A (MACDONALD CLYD 9 March 1982 (1982-03-09) column 2, line 66 - column 3, figure 2	•		1
		-/		
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j	ı		1	• `
X Furth	er documents are listed in the continuation of box C.			
	egories of cited documents:	X Patent family me	embers are listed in	annex:
'A' documer	nt defining the general state as the annual to	"T" later document publis	hed after the Inten	national filing date
	ered to be of particular relevance ocument but published on or after the international	or priority date and ricited to understand tinvention		
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citation	or other special reason (as specified)	"Y" document of narticula	step when the doci	ument is taken alone
O' documer other ma	nt referring to an oral disclosure, use, exhibition or leans	document is combine	u to involve an inve	entive step when the
	nt published prior to the international filing date but an the priority date claimed	ments, such combine in the art. *&* document member of	ation being obvious	to a person skilled
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lame and ma	alling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer	·	
	Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fex: (+31–70) 340–3016	Dantinne,	. Р	1

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		F/EP2004/005079		
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	EP 0 395 499 A (SCHLUMBERGER HOLDINGS; SCHLUMBERGER PROSPECTION (FR); SCHLUMBERGER) 31 October 1990 (1990-10-31) column 7, line 30 - column 8, line 30; figures 1,3,6	1		
A	H.B. KOERNER, J.C. CARROLL: "Use of the noise log as a downhole diagnostic tool" SOCIETY OF PETROLEUM ENGINEERS, vol. SPE, no. 7774, 25 March 1979 (1979-03-25), - 29 March 1979 (1979-03-29) pages 191-198, XP002257831 Bahrain cited in the application See whole documentfigures 1,2			
A .	US 4 646 273 A (CARLSON NORMAN R ET AL) 24 February 1987 (1987-02-24) column 1, line 54 - column 2, line 2; figure 1	1		
A	US 4 046 220 A (GLENN JR EDWIN E) 6 September 1977 (1977-09-06) column 2, line 20 - line 56; figures 1,2	1 .		
A	US 5 010 527 A (MAHRER KENNETH D) 23 April 1991 (1991-04-23) column 9, line 5 - line 25; figures 5,11,21 column 10, line 21 - line 46			

INTERNATIONAL SEARCH REPORT

International Application No	
EP2004/00507	ç

Patent document		5.17			2004/005079
cited in search report		Publication date		Patent family member(s)	Publication date
US 4114721	Α	19-09-1978	NONE		
US 4928269	Α	22-05-1990	NONE		
US 4319346	A	09-03-1982	NONE		
EP 0395499	A	31-10-1990	FR AU AU CA DE DE DK EP ID NO US	2646513 A1 92193 T 618472 B2 5386990 A 2014875 A1 69002375 D1 69002375 T2 395499 T3 0395499 A2 824 B 901825 A ,B, 5216638 A	02-11-1990 15-08-1993 19-12-1991 01-11-1990 26-10-1990 02-09-1993 24-02-1994 28-08-1995 31-10-1990 24-07-1996 29-10-1990
US 4646273	Α	24-02-1987	NONE	0210000 A	01-06-1993
US 4046220	Α	06-09-1977	CA	1057389 A1	26-06-1979
US 5010527	Α	23-04-1991	AU AU BR CA CN FR GB JP JP MX	603521 B2 4575189 A 8906007 A 2002468 A1 1043185 A , B 2643415 A1 2226408 A , B 2256791 A 2694033 B2 170483 B	15-11-1990 14-06-1990 19-06-1990 29-05-1990 20-06-1990 24-08-1990 27-06-1990 17-10-1990 24-12-1997 25-08-1993